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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/029,639	12/19/2001	Anthony Patrick Mauro II	020151	020151 5037		
23696 OHALCOMM	7590 01/11/2007 INCORPORATED		EXAMINER			
5775 MOREH	OUSE DR.		SANDOVAL, KRISTIN D			
SAN DIEGO, CA 92121		•	ART UNIT	PAPER NUMBER		
	•		2132	*		
SHORTENED STATUTOR	RY PERIOD OF RESPONSE	NOTIFICATION DATE	. DELIVER	DELIVERY MODE		
3 MC	NTHS	01/11/2007	FLECTRONIC			

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

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us-docketing@qualcomm.com kascanla@qualcomm.com t_ssadik@qualcomm.com

		Application	n No.	Applicant(s)					
Office Action Summary		10/029,63	9	MAURO ET AL.					
		Examiner		Art Unit	·				
		Kristin D. S	Sandoval	2132					
	The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply								
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).									
Status				·					
1) 又	Responsive to communication(s) filed of	on 06 December 20	006.						
·	This action is FINAL . 2b)⊠ This action is non-final.								
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is								
, —	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.								
Disposition of Claims									
4) 🖂	Claim(s) 12,14-16 and 18-22 is/are pen	iding in the applica	tion.						
	4a) Of the above claim(s) is/are withdrawn from consideration.								
5)	5) Claim(s) is/are allowed.								
6)⊠	6)⊠ Claim(s) <u>12,14-16 and 18-22</u> is/are rejected.								
,	Claim(s) is/are objected to.								
8)□	8) Claim(s) are subject to restriction and/or election requirement.								
Applicati	on Papers				. *				
9)	The specification is objected to by the E	xaminer.							
10)🛛	The drawing(s) filed on <u>04 April 2002</u> is/	′are: a)⊠ accepte	d or b)☐ objected to t	by the Examiner.					
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).									
	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).								
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.									
Priority ι	ınder 35 U.S.C. § 119								
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:									
-/(1. ☐ Certified copies of the priority documents have been received.								
2. Certified copies of the priority documents have been received in Application No									
	3. Copies of the certified copies of the priority documents have been received in this National Stage								
application from the International Bureau (PCT Rule 17.2(a)).									
* See the attached detailed Office action for a list of the certified copies not received.									
Attachment(s)									
	e of References Cited (PTO-892)	0.40)	4) Interview Summary		·				
	e of Draftsperson's Patent Drawing Review (PTO nation Disclosure Statement(s) (PTO/SB/08)	-948)	Paper No(s)/Mail Da 5) Notice of Informal P						
Paper No(s)/Mail Date 6) Dther:									

DETAILED ACTION

1. Claims 12, 14-16 and 18-22 are pending. Claims 1-11, 13 and 17 are cancelled.

Continued Examination Under 37 CFR 1.114

2. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on December 6, 2006 has been entered.

Response to Arguments

3. Applicant's arguments with respect to claims 12, 14-16 and 18-22 have been considered but are most in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 103

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

4. Claims 12, 14-16 and 18-22 rejected under 35 U.S.C. 103(a) as being unpatentable over Dierks et al. (Dierks), The TLS Protocol, Version 1.0 in view of Kwon et al. (Kwon), Integrated Transport Layer Security: End-to-End Security Model between WTLS and TLS.

As per claims 12-22:

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Dierks substantially teaches a method comprising generating a first public key for encrypting a first wireless communication and generating, upon termination of the first wireless communication, a second public key for use in a second wireless communication; and determining whether the second public key has been stored prior to establishing the second wireless communication and if its not stored generating a third public key (Section 7.2.1, 7.3 since at the beginning of a handshake first keys are established, then upon termination, new keys are generated when handshakes are begun again and the handshake finished message confirms that the key is stored before communication is established and if it not stored, such as when a reestablishment of a session is attempted and denied, then the handshake protocols begin again, generating a third key). Dierks fails to teach the protocols being used for wireless communication. However, Kwon discloses a method wherein ITLS is based on WTLS and TLS for end to end security for wireless communications.

It would have been obvious to one of ordinary skill in the art at the time of applicant's invention to use TLS for wireless communications in order to provide end to end security for wireless communications as suggested by Kwon (Kown, Sections 3 and 4.1).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kristin D. Sandoval whose telephone number is 571-272-7958. The examiner can normally be reached on Monday - Friday, 8:00-5:30.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gilberto Barron can be reached on 571-272-3799. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

(D) KDS Kristin D Sandoval Examiner Art Unit 2132

GILBERTO BARRON SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100